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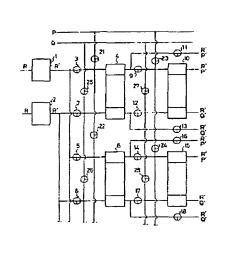
(54) STARTING METHOD FOR POWER GENERATING SYSTEM WITH MOLTEN TYPE FUEL CELL

(57) Abstract:

PURPOSE: To make it possible to raise temperature with a small energy, by feeding a heated gas from preheaters to a specific fuel cell lamination to raise the temperature and to start the operation, and then raising the temperature and starting the operation of the other fuel cell laminations by using the exhaust gas from the first cell lamination.

CONSTITUTION: First, valves 3, 7, 11, and 13 are opened while the other valves are all closed. A heated gas is fed from gas preheaters 1 and 2 to the cathodes and anodes of a fuel cell lamination 4 to raise the temperature. Then, the lamination 4 is connected to a fuel gas P and an oxidizing agent gas Q by converting valves to start the operation. Furthermore, the gas preheaters 1 and 2 are connected to another lamination 6 to raise its temperature. After that, exhaust gas of the lamination 4, a lamination 10 in the next stage is heated and started, and a lamination 15 is also heated and started by the exhaust gas of the lamination 6 in a same manner. Therefore, as well as a uniformed temperature rising can be realized by using gases, the temperatures of plural fuel cell laminations can be raised by a small energy, and the system can be started efficiently.

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JPA1 PATENT APPLICATION
TIEN: METHOD FOR POWER GENERATING SYSTEM WITH MOLTEN TYPE TIES.

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PA: TOSHIBA CORP.

IN: OGAWA HAKARU. MURATA KENJI.

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AB: PURPOSE: To make it possible to raise tangerum is with a small energy, by feeding a nesset gas from preheaters to a specific field lamination to raise the transmission and to operation, and then raising the temperature and structure the operation of the other fiel tell laminations by using the exhaust gas from the first cell lamination. CONSTITUTION: First, valves 3, 7, 11, and 13 are opened while the other valves are all closed. A nearest gas is fed from gas preheaters 1 and 2 to the cathodes and anodes of a fuel sell lamination 4 to raise the temperature. Then, the lamination 4 is connected to a fuel gas P and an oxidizing agent gas Q by converting valves to start the operation. Furthermore, the gas preheaters 1 and 2 are connected to another lamination 6 to raise its tempersume. After that, by the exhaust gas of the lamination 4, a lamination 10 in the next stage is neated and started, and a lamination 15 is also heated and started by the exhaust gas of the lamination 6 in a same manner. Therefore, as well as a uniformed temperature rising can be realized by using gases, the temperatures of plural laminations can be raised by a small energy, and the system can be

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stalted efficiently.

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